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ttt acg cca g Phe Thr Pro A 370	gat gct cat Asp Ala His	gat atg t Asp Met T 375	at ccc g Tyr Pro G	gt gaa aag ly Glu Lys 380	aat gtc Asn Val	acg 1394 Thr
att cat gta g Ile His Val G 385						
gga cat ttt g Gly His Phe A 400			/al Leu T			
gtc aag ccg a Val Lys Pro T	act cgt gcc Thr Arg Ala 420	tat ttc g Tyr Phe G	ggt tta a Gly Leu L 425	aa gat gcg ys Asp Ala	cag cag Gln Gln 430	gta 1538 Val
gct gtt gtt g Ala Val Val A 4		Ile Ser A				
gtt cct gtc g Val Pro Val A 450						
cgc aat gta t Arg Asn Val T 465						
tat cgg gcc c Tyr Arg Ala L 480	ctt caa aca Leu Gln Thr 485	agt gcg g Ser Ala (	Glu Leu V	tc caa gcc Val Gln Ala 190	ggt gaa Gly Glu	aga 1730 Arg 495
gat cct gaa g Asp Pro Glu A	gcg gtg ata Ala Val Ile 500	aaa gct q Lys Ala A	gca aaa g Ala Lys A 505	gat atc att asp Ile Ile	gaa acg Glu Thr 510	act 1778 Thr
agc gga acc a Ser Gly Thr I 5	ata gac tat Ile Asp Tyr 515	Val Glu I	ctt tat t Leu Tyr S 520	cc tat ccg Ser Tyr Pro	gaa ctc Glu Leu 525	gag 1826 Glu
cct gtg aat g Pro Val Asn G 530	gaa att gct Glu Ile Ala	gga aag a Gly Lys N 535	atg att c Met Ile I	etc gct gtt Leu Ala Val 540	gca gtt Ala Val	gct 1874 Ala
ttt tca aaa g Phe Ser Lys A 545	gcg cgt tta Ala Arg Leu	ata gat a Ile Asp A 550	aat atc a Asn Ile I	att att gat Ele Ile Asp 555	att cga Ile Arg	gaa 1922 Glu
atg gag aga a Met Glu Arg I 560				atg agc ggc Met Ser Gly 570		
agg gca act g Arg Ala Thr V 575			Leu Asn T			
att gat gaa g	gat ctc att	gat gct q	gtg gga a	atg ctt cct	aat gaa	aaa 2067

Ile Asp Glu	Asp Leu 595	Ile As	o Ala	Val	Gly 600	Met	Leu	Pro	Asn	Glu 605	Lys	
gta caa att Val Gln Ile												2115
att cct ggt Ile Pro Gly 625				_		_						2163
gca cgc ctt Ala Arg Leu 640			y Asp									2211
atg atg tct Met Met Ser 655												2259
ctg aat gat Leu Asn Asp			-		_	_			-			2307
cgt aca att Arg Thr Ile		aagaaaa	gadad	ccttt	a to	cgggg	ggttt	tct	ittta	aaga	tttt	2363
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Val Lys Ala Pro Val Tyr Ser His Leu Thr Tyr Asp Arg Glu Glu Gly 145 150 155 160

Val Phe Glu Val Val Glu Gln Ala Asp Ile Val Ile Ile Glu Gly Ile 165 170 175

Asn Val Leu Gln Ser Pro Thr Leu Glu Asp Asp Arg Glu Asn Pro Arg 180 185 190

Ile Phe Val Ser Asp Phe Phe Asp Phe Ser Ile Tyr Val Asp Ala Glu
195 200 205

Glu Ser Arg Ile Phe Thr Trp Tyr Leu Glu Arg Phe Arg Leu Leu Arg 210 215 220

Glu Thr Ala Phe Gln Asn Pro Asp Ser Tyr Phe His Lys Phe Lys Asp 225 230 235 240

Leu Ser Asp Gln Glu Ala Asp Glu Met Ala Ala Ser Ile Trp Glu Ser 245 250 255

Val Asn Arg Pro Asn Leu Tyr Glu Asn Ile Leu Pro Thr Lys Phe Arg 260 265 270

Ser Asp Leu Ile Leu Arg Lys Gly Asp Gly His Lys Val Glu Glu Val 275 280 285

Leu Val Arg Arg Val 290

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<212> PRT

<213> Bacillus subtilis

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Met Glu Gly Leu Asn Asp Tyr Leu Ser Val Glu Glu Val Glu Thr Ile 1 5 10 15

Tyr Ile Pro Leu Val Arg Leu Leu His Leu His Val Lys Ser Ala Ala 20 25 30

Glu Arg Asn Lys His Val Asn Val Phe Leu Lys His Pro His Ser Ala 35 40 45

Lys Ile Pro Phe Ile Ile Gly Ile Ala Gly Ser Val Ala Val Gly Lys 50 60

Ser Thr Thr Ala Arg Ile Leu Gln Lys Leu Leu Ser Arg Leu Pro Asp 65 70 75 80

Arg Pro Lys Val Ser Leu Ile Thr Thr Asp Gly Phe Leu Phe Pro Thr 85 90 95

Ala Glu Leu Lys Lys Lys Asn Met Met Ser Arg Lys Gly Phe Pro Glu
100 105 110

Ser Tyr Asp Val Lys Ala Leu Leu Glu Phe Leu Asn Asp Leu Lys Ser 115 120 125